

Standard Data Elements for Biological Taxonomy

The standard offers a common and consistent way to represent living things. It is based on the Integrated Taxonomic Information System (ITIS), but also includes additional identification elements to handle things not contained in ITIS. This standard assumes that a central record of living things of interest to the Agency will be maintained. This State/EPA data standard was approved by the Agency on November 21, 2000 and by the Environmental Data Standards Council on February 22, 2001.

Mandatory Standard Data Elements for Biological Taxonomy				
		NAME	DEFINITION	EDR DE ID
One Number	This OR	ITIS Taxonomic Serial Number	The unique identification number assigned to an Integrated Taxonomic Information System biological entity.	20727:1
	This OR	ICTVdB Taxon Identifier	The unique identification number assigned to a virus by the International Committee on Taxonomy of Viruses (ICTV).	19986:1
	This	EPA Biological Identification Number	The unique non-intelligent identification number assigned to a biological entity by the Environmental Protection Agency.	20728:1

AND

One Name and Name Context	These	Biological Systematic Name	The name assigned to a biological entity by a classification identification system.	20729:1
		Biological Systematic Context Name	The name of the classification system used to assign a systematic name to a biological entity.	20743:1
	OR			
	These	Biological Vernacular Name	The vernacular name associated with an occurrence of a biological entity.	20744:1
		Biological Vernacular Name Context Name	The name of the source of the vernacular name for a biological entity.	20745:1
	OR			
	These	Biological Group Name	The name of a collection of biological entities that are related.	20897:1

		Biological Group Context Name	The name of the source of the name of a group of biological organisms.	26065:1
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Note: "EDR DE ID" in column 4 means "Environmental Data Registry Data Element Identification Number."

Optional Standard Data Elements for Biological Taxonomy				
Name	Definition	Notes	EDR DE ID	
Biological Kingdom Name	The systematic name that represents a biological Kingdom.	A biological Kingdom is a taxonomic category of the highest rank, grouping together all forms of life having certain fundamental characteristics in common.	20730:1	
Biological Division/Phylum Name	The systematic name that represents the biological Division/Phylum.	A Division/Phylum is the primary subdivision of a taxonomic kingdom, grouping together all classes of organisms that have the same body plan.	20731:1	
Biological Subdivision/Subphylum Name	The systematic name that represents the biological Subdivision/Subphylum.	A Subdivision/Subphylum is a category of related classes within a Division/Phylum.	20732:1	
Biological Class Name	The systematic name that represents the biological Class.	A Class is a major subdivision of a Phylum or Division, usually consisting of several Orders.	20733:1	
Biological Subclass Name	The systematic name that represents the biological Subclass.	A Subclass is a category of related orders within a Class.	20734:1	
Biological Infraclass Name	The systematic name that represents the biological Infraclass.	An Infraclass is a category of related classes within a Class.	20735:1	
Biological Order Name	The systematic name that represents the biological Order.	An Order is a major subdivision of a Class or Subclass that consists of several families.	20736:1	
Biological Suborder Name	The systematic name that represents the biological Suborder.	A Suborder is a category of related families within an Order.	20737:1	
Biological Subfamily Name	The systematic name that represents the biological Subfamily.	A Subfamily is a category of related genera within a Family.	20739:1	
Biological Genus Name	The systematic name that represents the biological Genus.	A Genus is a major subdivision of a family or subfamily, usually consisting of more than one Species.	20740:1	

Optional Standard Data Elements for Biological Taxonomy			
Name	Definition	Notes	EDR DE ID
Biological Species Name	The systematic name that represents the biological Species.	A Species is a major subdivision of a genus or subgenus and is regarded as the basic division of a genus or subgenus. A Species is composed of related individuals that resemble one another and are able to breed among themselves, but are not able to breed with members of another Species.	20741:1
Biological Subspecies Name	The systematic name that represents the biological Subspecies.	A Subspecies is a subdivision within a Species.	20742:1
Biological Synonymous Name	The name that represents one of two or more names applied to a single biological entity.		20746:1
Biological Synonymous Name Context	The name of the source of a synonymous name for a biological entity.		20747:1
Program System Biological Name	The name applied to a biological entity in a program system.		20748:1
Biological Group Description Text	The text describing the relationship of the biological entities in a group.		20750:1
Program System Abbreviated Name	An abbreviated name that represents the name of an information management system for an environmental program.		5712:1
Program System Name	The name of an information management system for an environmental program.		5714:1
Citation Reference Code	The code that represents a reference to an official printed copy of an environmental regulation.		20061:1